

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Friday

RQ: 2021-05-17-NR

Project: Wilderness W.W.

04-19-1767M

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 02/11/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	05/17/21	0800	22.4	760.4	8.7	8.68	100.0	—	1.050	P/F	L/F
ICV			0802	22.4	760.5	8.7	8.69	100.1	—	—	P/F	L/F
CCV	Monica Jaeger	05/17/21	1557	24.7	758.6	8.3	7.60	91.5	—	—	P/F	L/F
CCV	Monica Jaeger	05/17/21	1604	24.7	758.5	8.3	8.25	99.4	—	—	P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	05/17/21	0805	1002A78	02/22	10,000	10,000	P/F	L/F
ICV			0807	1009989	08/22	2500	2519	P/F	L/F
CCV	Monica Jaeger	05/17/21	1551	2012077	12/22	50,000	48442	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	05/17/21	0811	2101F99	01/23	7.00	24.0	7.01	-54.5	P/F	L/F
Calibr.			0812	1102110	01/23	4.01	24.1	4.00	120.7	P/F	L/F
Calibr.			0814	1102821	07/22	10.02	24.4	10.01	-223.6	P/F	L/F
ICV			0815	1102110	01/23	4.01	24.4	4.05		P/F	L/F
CCV	Monica Jaeger	05/17/21	1553	1102821	07/22	10.00	23.6	10.14		P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 169.1, slope from 4 to 7 175.2 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEPER BLUER Date of last verification: 02/11/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: